



**RESULT 2**

GOMUT1  
tumor necrosis factor receptor 1 precursor [validated] - human  
N.Alternate names: p55 tumor necrosis factor receptor; TNF receptor type 1  
C.Contains: tumor necrosis factor alpha inhibitor; tumor necrosis factor binding protein  
C.Species: Homo sapiens (man)  
C.Date: 30-Jun-1992 #sequence-revision 30-Jun-1992 #text-change 08-Dec-2000  
A.Accession: A38208; A34899; A34900; A36555; A38281; P12057; J07058; A60231; A36  
R.Fuchs, P.; Strehl, S.; Dworzak, M.; Himmler, A.; Ambros, P.F.  
Genomics 13, 219-224, 1992  
A.Title: Structure of the human TNF receptor 1 (p60) gene (TNRF1) and localization to ch  
A.Reference number: A38208; MUID:92250049  
A.Accession: A38208  
A.Molecule type: DNA  
A.Residues: 1-455 <PUC>  
A:Cross-references: GB:M75864; GB:M75865; GB:M75866; NID:g339748; PID:AAA61201.1; PID:  
R.Loetscher, H.; Pan, Y.C.E.; Lahm, H.W.; Gentz, R.; Brockhaus, M.; Tachl, H.; Lessla  
Cell 61, 351-359, 1990  
A>Title: Molecular cloning and expression of the human 55 kd tumor necrosis factor recep  
A.Reference number: A34899; MUID:90235284  
A.Accession: A34899  
A.Molecule type: mRNA  
A.Residues: 1-455 <LOE>  
A:Cross-references: GB:M58286; GB:M33480; NID:g339753; PID:AAA6753.1; PID:g339754  
A.Experimental source: Placenta  
A.Note: Part of this sequence, including the amino end of the mature protein, confirmed  
R.Schall, T.J.; Lewis, M.; Koller, K.J.; Lee, A.; Rice, G.C.; Wong, G.H.W.; Gatanaga, T  
Cell 61, 361-370, 1990  
A>Title: Molecular cloning and expression of a receptor for human tumor necrosis factor  
A.Reference number: A34900; MUID:90235285  
A.Accession: A34900  
A.Molecule type: mRNA  
A.Residues: 1-455 <SGH>  
A:Cross-references: GB:M33294; NID:g339744; PID:AAA0310.1; PID:g339745  
R.Himmler, A.; Maurer-Fogy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, M.;  
DNA Cell Biol. 9, 705-715, 1990  
A>Title: Molecular cloning and expression of human and rat tumor necrosis factor recepto  
A.Reference number: A36555; MUID:91090841  
A.Accession: A36555  
A.Molecule type: mRNA  
A.Residues: 1-455 <HTM>  
A:Cross-references: GB:M63121; NID:g339755; PID:AAA36754.1; PID:g339756  
A.Accession: C36555  
A.Molecule type: protein  
A.Residues: 30-38;41-53, 'X','55-79,'XX','82-94,'NK','XX','100-104;107-128;162-167,'X','169-244;  
A>Note: The purified protein, called tumor necrosis factor binding protein, is a soluble  
R.Gray, P.W.; Barrett, K.; Chantry, D.; Turner, M.; Feldmann, M.  
Proc. Natl. Acad. Sci. U.S.A. 87, 7380-7384, 1990  
A>Title: Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of re  
A.Reference number: A38281; MUID:91017509  
A.Accession: A38281  
A.Molecule type: mRNA  
A.Residues: 1-455 <GRA>  
A:Cross-references: GB:M37764  
A>Note: The authors translated the codon TGG for residue 371 as Thr. AAG for residue 372 as  
A.Nophr, Y.; Kemper, O.; Brakelbusch, C.; Engelmann, H.; Zwang, R.; Aderka, D.; Holtmann

EMBO. J. 9, 3269-3278, 1990  
A:Title: Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the le form of the receptor.  
A:Reference number: S12057; MUID:91006021  
A:Accession: S12057  
A:Molecule type: mRNA  
A:Residues: 1-455 <NOP>  
A:Cross-references: EMBL:X55313; NID:g37223; PIDN:CA39021.1; PID:g37224  
A:Note: parts of soluble TNF binding protein 1, including its amino and carboxyl ends  
R:Kemper, O.; Wallach, D.  
Gene 134, 209-216, 1993  
A:Title: Cloning and partial characterization of the promoter for the human p55 tumor necrosis factor receptor  
A:Reference number: J70758; MUID:94085779  
A:Accession: J70758  
A:Molecule type: DNA  
A:Residues: 1-13 <REM>  
R:Seckinger, P.; Vey, E.; Turcatti, G.; Wingfield, P.; Dayer, J.M.  
Eur. J. Immunol. 20, 1167-1174, 1990  
A:Title: Tumor necrosis factor inhibitor: purification, NH-2-terminal amino acid sequence  
A:Reference number: A60231; MUID:90292116  
A:Accession: A60231  
A:Molecule type: protein  
A:Residues: 41-43, 'X', 45-53, 'X', 55-57 <SEC>  
R:Gatanaga, T.; Hwang, C.; Kohr, W.; Cappuccini, F.; Lucchi III, J.A.; Jeffes, E.W.B.; Proc. Natl. Acad. Sci. U.S.A. 87, 8781-8784, 1990  
A:Title: Purification and characterization of an inhibitor (soluble tumor necrosis factor)  
A:Reference number: A38258; MUID:91062364  
A:Accession: A38258  
A:Molecule type: protein  
A:Residues: 41-60 <GAT>  
A:Experimental source: cancer patient serum  
R:Olsson, I.; Lantz, M.; Nilsson, E.; Peetre, C.; Thyrell, H.; Grubb, A.; Adolf, G.  
Eur. J. Haematol. 42, 270-275, 1989  
A:Title: Isolation and characterization of a tumor necrosis factor binding protein from  
A:Reference number: A60594; MUID:89171156  
A:Accession: A60594  
A:Molecule type: protein  
A:Residues: 41-43, 'X', 45-53, 'V', 55-57, 'XK', 60 <OLS>  
A:Experimental source: renal failure patient urine  
R:Engelmann, H.; Novick, D.; Wallach, D.  
J. Biol. Chem. 265, 1531-1536, 1990  
A:Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence  
A:Reference number: A35010; MUID:90110215  
A:Accession: A35010  
A:Molecule type: protein  
A:Residues: 41-45 <EMG>  
A:Experimental source: normal urine  
R:Kajihara, J.; Asada, A.; Kirihara, S.; Kato, K.  
Biochem. Biotechnol. Biochem. 58, 2266-2268, 1994  
A:Title: Amino acid sequence of natural tumor necrosis factor alpha inhibitor purified  
A:Reference number: JC2404; MUID:95128033  
A:Accession: JC2404  
A:Molecule type: protein  
A:Residues: 41-53, 'X', 55-144, 'X', 146-150, 'X', 152-186, 'X', 188-201 <NAJ>  
A:Experimental source: urine  
C:Comment: This protein is one of two known receptors for both TNF-alpha (cachectin)  
C:Genetics:  
A:Gene: GDB:TNFR1  
A:Cross-references: GDB:125913; OMIM:191190  
A:Map position: 12p13.2-12p13.2  
A:Introns: 13/3: 65/1; 108/1: 158/1; 184/2: 209/1; 247/1: 256/3; 353/1  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology  
C:Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-21/Domain: signal sequence #status predicted <Sig>  
F:22-455/Product: tumor necrosis factor receptor 1 #status predicted <MAT>  
F:30-211/Domain: extracellular #status predicted <EXT>  
F:41-201/Product: TNF binding protein 1 (tumor necrosis factor alpha inhibitor) #status  
F:44-82/Domain: NGF receptor repeat homology <NG1>  
F:84-126/Domain: NGF receptor repeat homology <NG2>  
F:127-167/Domain: NGF receptor repeat homology <NG3>  
F:168-196/Domain: NGF receptor repeat homology <NG4>  
F:212-234/Domain: transmembrane #status predicted <MEM>



A:Accession: A49053  
A:Molecule type: mRNA  
A:Residues: 1-250 <GRA>  
A>Note: sequence extracted from NCBI backbone (NCBIN:128168, NCBI:P128169)  
C:Superfamily: CD27 antigen, NGF receptor repeat homology  
C:Keywords: duplication; glycoprotein; homodimer; receptor; surface antigen; T-cell; tr  
F:1-20/Domin: signal sequence #status predicted <Sig>  
F:21-250/Product: CD27 antigen #status predicted <MAT>  
F:21-182/Domin: extracellular #status predicted <EXT>  
F:27-63/Domin: NGF receptor repeat homology <NG1>  
F:65-105/Domin: NGF receptor repeat homology <NG2>  
F:121-179/Region: proline/serine/threonine-rich  
F:183-202/Domin: transmembrane #status predicted <TMN>  
F:203-250/Domin: intracellular #status predicted <INT>  
F:95,162/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 11.3%; Score 143.5; DB 1; Length 250;  
Best Local Similarity 25.7%; Pred. No. 8,9e-05;  
Matches 67; Conservative 22; Mismatches 97; Indels 75; Gaps 14;

OY 3 COENEYWDQMGRCVTCQRCGPGQELSKDCGEGGDAYCTACPPRRYKSSWGHHK--CQSG 60  
DB 27 CPDKHYWYGGLC--CRMEPEPTFEYKDCQDRTA-AQCDPEIFGTSTSPDYHTREHCS 83  
OY 61 CITCAVINRQKVNCTATSNVAVCGDCLPRFYRRTIRIGLQDOECJPTKQPTSEVOCAP 120  
DB 84 CRHCNSGFLIR--NCTVTANAC--SCSKNMQ-----CRDECEEC--DPLMPALTR 130  
OY 121 QLSLEADAPYTP-----QEXTVALVSS---LLVFT 151  
DB 131 QPS--ETSPPOPPPHLPHTGKPSWPLHROLPNSTVYSQSRSHPLCSSDCIRIFVFS 188  
OY 152 IAFILFLFYCQFFNRHCGQGLQFADKTAKESLFP--VPSKETSASQYSWAPG 209  
DB 169 SMFL-IFVIGALFLFHQRNHCP-----NEDKQAVEEPCPSCPDEESA----- 234  
OY 210 SLAQLPSDSVPPIPOQCGPE 230  
DB 235 -----IPIQDYRKPE 245

RESULT 5  
JC4302  
tumor necrosis factor receptor p55 precursor - pig  
C:Species: Sus scrofa domestica (domestic pig)  
C:Date: 29-Nov-1995 #sequence\_revision 08-Feb-1996 #text\_change 23-Jul-1999  
C:Accession: JC4302; PC4093  
R:Stuter, B.; Pauli, U  
Gene 163, 263-266, 1995  
A:Title: Cloning of the cDNA encoding the porcine p55 tumor necrosis factor receptor.  
A:Reference number: JC4302; MUID:96011645  
A:Accession: JC4302  
A:Molecule type: mRNA  
A:Residues: 1-461 <SUT>  
A:Cross-references: GB:U19994; NID:g1141752; PIDN:AAQ48499.1; PID:g1141753  
A:Accession: PC4093  
A:Molecule type: protein  
A:Residues: 1-7 <SU2>  
A:Experimental source: kidney cell line 15  
C:Genetics:  
A:Gene: tnfr  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology  
C:Keywords: glycoprotein; kidney; receptor; transmembrane protein; tumor  
F:1-29/Domin: signal sequence #status predicted <Sig>  
F:30-461/Product: tumor necrosis factor receptor p55 #status predicted <MAT>  
F:44-82/Domin: extracellular cysteine rich #status predicted <EXT>  
F:84-126/Domin: NGF receptor repeat homology <NG1>  
F:211-231/Domin: transmembrane #status predicted <TMN>  
F:361-447/Domin: signal transduction #status predicted <INT>  
F:54,145,151/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 10.6%; Score 134.5; DB 2; Length 461;

Best Local Similarity 22.9%; Pred. No. 0.00086;  
Matches 65; Conservative 40; Mismatches 120; Indels 59; Gaps 14;

OY 3 COENEYWDQMGRCVTCQRCGPGQELSKDCGEGGDAYCTACPPRRYKSSWGHHK--HKQSG 61  
DB 44 CPQGYSHRPNQNSICTCRKHKYGLHNDCLGPGIDTDCRECDNGTFTASENHILQCLSC 102  
OY 62 ITC-AVINRQKVNCTATSNVAVCGDCLPRFYR-----FRIGLQDOEC-----IPCKQ 110  
DB 103 SKCREMSQVELSPCTVDRDVTG--CRKNQYRKWSETLFQCLNCLCPNCTVOLPCLER 161  
OY 111 TPT-----SEVOCAPQLSLEADAPYTPD-----EATVALVSSLLVFTL 152  
DB 162 QDTICNCHSGFLLRDKKEVCVCKNADCKNLCPATSETRNDQDTGTVLLPLVIFRGL 221  
OY 153 A-----FLGLFLYCK---QFFNRHCGQ--GLQFADKTAKES-----LFPVPSKE 197  
DB 222 CLAFLLFVGLACRQYRWKPKLYSIICGKSTPVKEGEAPPLATAPSFGBITTFSPSPSP 281  
OY 198 TSAESQV--SMAPGSLAQLFSLD-----SVPIPOQOQGP 229  
DB 282 TTTFSPVPSFSPISPTTTPCDMSNIKVTSPPKELAPPQAGP 325

RESULT 6  
154182  
tumor necrosis factor receptor 2-related protein - human  
C:Species: Homo sapiens (man)  
C:Date: 24-May-1996 #sequence\_revision 24-May-1996 #text\_change 17-Mar-2000  
C:Accession: 154182  
R:Baens, M.; Chaffanet, M.; Cassiman, J.J.; Van den Berghe, H.; Marynen, P.  
Genomics 16, 214-218, 1993  
A:Title: Construction and evaluation of a hncDNA library of human 12p transcribed seq  
A:Reference number: 154182; MUID:9325381  
A:Accession: 154182  
A:Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: mRNA  
A:Residues: 1-435 <RES>  
A:Cross-references: GB:L04270; NID:g339761; PIDN:AAA36757.1; PID:g339762  
C:Genetics:  
A:Gene: GDB:LTBR  
A:Cross-references: GDB:1230195; OMIM:600979  
A:Map position: 12p13.3-12p13.1  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology

Query Match 10.5%; Score 134; DB 2; Length 435;  
Best Local Similarity 21.9%; Pred. No. 0.0009;  
Matches 65; Conservative 29; Mismatches 109; Indels 94; Gaps 15;

OY 4 QENEYWDQMGRCVTCQRCGPGQELSKDCGEGGDAYCTACPPRRYKSSWGHHK--CQSCI 62  
DB 46 QEKEYEYQHR-ICCSRCRPTTYVSAC--SRIDYVCATCAEHSYENHNYLITCOLCR 102  
OY 63 TCQAVINRQKV-NCTATSNVAVC-----GDCLPFRYRRTIRIG-GL 99  
DB 103 PCDEVMGLEIEIAPCTSRKKTQRCQPGMFCAMALECTHCELLSDCPGTEALELKDEVGK 162  
OY 100 QDOQCIRP-----TKQPTSEVQ-----CAQQLSLEADAPY-----VPPQE 136  
DB 163 GNNHCVPCKAGHFQNTSSPSARCPHTRCENQ-GLVEAAPGTASDPTCKNPLERPPEM 221  
OY 137 ATLVALVSSLLVFTLAFGLFLFYCKQFENR-----CORGLQFADKTAKESLPPVP 193  
DB 222 SGTMLM---LAVLLPLAFLLIATVFCISIKWSHSLCKRLG-----SLAKRR 265  
OY 194 PSKETSASQYSWAPGSLAQLF-----SLDSVP-----IPQOQ 226  
DB 266 PQGEPNRPVAGSWBPRKAPHPYFDLVQPLRISGDVSPVSTGLPAPAVLEAGVPQOQ 322

RESULT 7  
A35356  
tumor necrosis factor receptor 2 precursor [validated] - human

C:Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-32/Domain: signal sequence #status predicted <SIG>  
F:23-416/Product: tumor necrosis factor receptor 2 #status experimental <MAT>  
F:40-76/Domain: NGF receptor repeat homology <NG1>  
F:78-119/Domain: NGF receptor repeat homology <NG2>  
F:120-162/Domain: NGF receptor repeat homology <NG3>  
F:164-201/Domain: NGF receptor repeat homology <NG4>  
F:263-279/Domain: transmembrane #status predicted <TMN>  
F:280-461/Domain: intracellular #status predicted <INT>  
F:171,193/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match            10.4%   Score 132.5: DB 1: Length 461:  
Best Local Similarity   21.2%   Pred. No. 0.0013:  
Matches       71: Conservative     25: Mismatches   108: Indels   131: Gaps     15:

OY      3 COENYWPDMQWGCVCYCOCGPGCELSKDCGVGEGBDACYTACPPRRYSXSMGH-HKCOSC 61  
         |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      40 CRLREXYOQTDA-MCCSKRSPGOHAKVFC--TKSTDYVCDSCEDSTGYQLMWMVECLSC 96  
         ::||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
OY      62 ITCAVINRVQVKYCTATSNAGCGDCLPRFY-----RKTRIG-----G 98  
         :::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      97 GSRCSSDDVENQATREQNRIC-TCRPGWCALSKQEGRLCAPLRKCPGGVARPGE 155  
         :::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
OY      99 LODQCICETKOT----- 111  
         |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      156 TSDVCKPCAPCFPSNTTSSTDICRHQICNVVAIPGNASMDAVCTSTPSRMAPGAHV 215  
         |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
OY      112 -----PSEVOCAFQLSLVEDADPTVPPEATL--VALYSSLIVFLAFLIG 156  
         |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      216 LPQPVSTSOHTQTPPESTASTSFLPMGPS-PBAESTCDFALPGLVGTV--LG 272  
         |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
OY      157 LFFL-----YCKQFNHRHCQRGLLOFEADKT-----AKEESLEPVPS 195  
         |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      273 LLIIIVNCVMITQYKKRPCLIQ-----REAKVPHLPADKARGTGPGQGHLTAASS 326  
         |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
OY      196 KETSNEOVSMARPGSLAOLFSLD-SVIPPDQQGP 229  
         ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|  
DB      327 SSSSLSESSAS-----ALDRRAPTRNPQPAP 351  
         ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

RESULT 8  
GORRTI  
N:Contains: tumor necrosis factor binding protein 1 (TNF blocking factor)  
C:Species: Rattus norvegicus (Norway rat)  
C:Date: 30-Jun-1992 sequence\_revision 07-Oct-1994 #text\_change 22-Jun-1999  
C:Accession: B36555  
R:Himmeler, A.; Maurer-Fogy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, J.  
DNA Cell Biol. 9, 703-715, 1990  
A>Title: Molecular cloning and expression of human and rat tumor necrosis factor recep  
A:Reference number: A36555; MUID:91090841  
A:Accession: B36555  
A:Molecule type: mRNA  
A:Residues: 1-461 <HM>  
A:Cross-references: GB:M63122; NID:g207361; PIDN:AAA42256.1; PID:g207362  
C:Comment: This protein is one of two known receptors for both TNF-alpha (cachectin)  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology  
C:Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-29/Domain: signal sequence #status predicted <SIG>  
F:30-461/Product: tumor necrosis factor receptor type 1 #status predicted <MAT>  
F:30-211/Domain: extracellular #status predicted <EXT>  
F:30-201/Product: tumor necrosis factor binding protein #status predicted <TBP>  
F:44-82/Domain: NGF receptor repeat homology <NG1>  
F:84-126/Domain: NGF receptor repeat homology <NG2>  
F:127-167/Domain: NGF receptor repeat homology <NG3>  
F:168-204/Domain: NGF receptor repeat homology <NG4>  
F:212-234/Domain: transmembrane #status predicted <MEM>  
F:235-461/Domain: intracellular #status predicted <INT>  
F:54,151,201/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match            10.2%   Score 130: DB 1: Length 461:  
Best Local Similarity   25.7%   Pred. No. 0.002:  
Matches       53: Conservative     16: Mismatches    89: Indels    48: Gaps     10:

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OY      3 COENEMYDQMGRCVTCORCGPQOELSKDCGYEGGDAYCTACPPRRYKSSMGH-HKQSC 61
      44 CPGQKVAHPKNNISICCKIKHKTIVSDCP-SPEQETVCEVCDCGTTSASQNHVROCLSC 102
OY      62 ITC-AVINRQKVNCTATSNVAVCG-----DCLPRFYKRTI----- 96
      103 KTCRKEMFQVEISPCAKMDTVCGCKKNQFORYLSETHFQCVCOSPCFNGTITIPCKEKQ 162
OY      97 -----GG--LDDQECIPCTKOTPTSEVCAQOLSLVEADAPVPPQEAVALYVSSL 147
      163 NYVONCHAGFELSGNETPCKHCKNQE---CMKLCIPVAVNTNPDSGTAVILP---L 216
OY      148 VFTFLAFLG--LFEFLYCKQPFNRHCQ 171
      217 VI-----FLGLCLLFFTCISILTCRYPQ 238

RESULT 9
B32393
T-cell antigen 4-1BB precursor - mouse
C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 21-Jul-2000
C:Accession: B32393; I48879
R:Kwon, B.S.; Weissman, S.M.
Proc. Natl. Acad. Sci. U.S.A. 86, 1963-1967, 1989
A:Title: cDNA sequence of two inducible T-cell genes.
A:Reference number: A32393; MUID:89184547
A:Accession: B32393
A:Molecule type: mRNA
A:Residues: 1-256 <KWO>
A:Cross-references: GB:J04492; NID:9201121; PIDN:AAA40167.1; PID:9201122
R:Kwon, B.S.; Kozak, C.A.; Kim, K.K.; Pickard, R.T.
J. Immunol. 152, 2256-2262, 1994
A:Title: Genomic Organization and Chromosomal Localization of the T-Cell Antigen 4-1BB.
A:Reference number: I48879; MUID:94179805
A:Accession: I48879
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-256 <RES>
A:Cross-references: EMBL:002567; NID:91117783; PIDN:AAA93113.1; PID:9409178
C:Genetics:
A:Introns: 35/1, 69/1, 115/1, 138/2, 156/3, 181/1; 225/1
C:Superfamily: CD27 antigen; NGF receptor repeat homology
C:Keywords: transmembrane protein
F:1-23/Domain: signal sequence #status predicted <STG>
F:24-256/Product: 4-1BB protein #status predicted <MAT>

Query Match      10.2%; Score 129.5; DB 2; Length 256;
Best Local Similarity 24.8%; Pred. No. 0.0013;
Matches 66; Conservative 25; Mismatches 90; Indels 85; Gaps 13;

OY      16 VTCORCGPQOELSKDCGYEGGDAY---CTACPPRRYKSSMGHHCQSCITCAVINRQK 72
      16 VCEKVAQAQNSCDNCPQPTFCRKATNPVCKSCPSTFSSIGQPPKNCITRACVAGFRFK 75
OY      73 VNCITSNVAVCGDCLPRFY-----RRTIRIGLDDQE-----C 104
      76 F-CSTSHNAEC-ECTEGFHCILGPOCTRCEKDCRPGQELTKQCKTCSLGFNDQNGTGYC 133
OY      105 ICTK-----QTPSE--VOC-----AFQLSVEADAPVPP-----OEATL-VAL 142
      134 RPTWNCISLDGRSVLKTGTEKDVCGPPVAVSPSTTISVTEGGPGGHSILQVLTFLAL 193
OY      143 VSSLVFTFLAFLGFLFYCKQPFNRHCQRGSLQFEADKTAKESSLFPVPSKETSALS 202
      194 TSALL--ALIFITLFLSVLKWI-----RKKFPHIKQPPKKTITGA-- 232
OY      203 QVSWAPGSLAQLFSLDSVPITPOQOOG 228
      233 -----AQEDACSCRCRCPQEEEG 249

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RESULT 10
A46484
apoptosis-mediating membrane-associated polypeptide Fas - mouse
C:Species: Mus musculus (house mouse)
C:Date: 18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change 05-Nov-1999
C:Accession: A46484; A47254
R:Matnabe-Fukunaga, R.; Brannan, C.I.; Itoh, N.; Yonehara, S.; Copeland, N.G.; Jenki
J. Immunol. 148, 1274-1279, 1992
A:Title: The cDNA structure, expression, and chromosomal assignment of the mouse Fas
A:Reference number: A46484; MUID:92148151
A:Accession: A46484
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-327 <MAT>
A:Cross-references: GB:M83649; NID:9193225; PIDN:AAA37593.1; PID:9193226
A:Experimental source: BAW3 macrophage cell line
A:Note: sequence extracted from NCBI backbone (NCBIN:81544, NCBI:81545)
R:Adachi, M.; Matnabe-Fukunaga, R.; Nagata, S.
Proc. Natl. Acad. Sci. U.S.A. 90, 1756-1760, 1993
A:Title: Aberrant transcription caused by the insertion of an early transposable elem
A:Reference number: A47254; MUID:93189576
A:Accession: A47254
A>Status: preliminary
A:Molecule type: nucleic acid
A:Residues: 1-96 <ADA>
A:Cross-references: GB:S56490; NID:9298505; PIDN:AAE25700.1; PID:9298506
A:Experimental source: MRL 1P7/1P7
A:Note: sequence extracted from NCBI backbone (NCBIN:126850, NCBIN:126853, NCBIN:1268
C:Superfamily: NGF receptor repeat homology
C:Keywords: transmembrane protein
F:44-79/Domain: NGF receptor repeat homology <NGF>
F:81-124/Domain: NGF receptor repeat homology <NGF>

```

```

Query Match      10.2%; Score 129.5; DB 2; Length 327;
Best Local Similarity 25.7%; Pred. No. 0.0017;
Matches 46; Conservative 20; Mismatches 76; Indels 37; Gaps 10;

OY      2 DCOENEMYDQMGRCVTCORCGPQOELSKDCGYEGGDAYCTACPPRRYKSSMGH-HKQ 59
      43 KNSGEGV---QGGPPCCQCPQDGRKKVEDCKM-NGSTPFCAPCTGCKEYMDKNHVDKCR 98
OY      60 SCITCAVINRQV-KVNCTATSNVAVCGDCLPRFY-----RRTIRIGLDDQECIPCTKOT 111
      99 RCTLDDDEHGEVENNCTLTQNTKC-KKRPDYQCSPCGCHVCYKRASEHGTLEEC---T 154
OY      112 PTSEVQCAFQLSLVADAPVPPQEAVALYVSSLVFTFLAFLGFLFYCKQPFNRHC 170
      155 ATSNNTNCRQ-----SPNRMLTLITVLLI-----PLVFIY-RKYRKRC 194

```

```

RESULT 11
137383
FAS soluble protein - human
C:Species: Homo sapiens (man)
C:Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 21-Jul-2000
C:Accession: I37383
R:Cascino, I.; Flucchi, G.; Papoff, G.; Ruberti, G.
J. Immunol. 154, 2706-2713, 1995
A:Title: Three functional soluble forms of the human apoptosis-inducing Fas molecule
A:Reference number: I37383; MUID:95181785
A:Accession: I37383
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-314 <RES>
A:Cross-references: EMBL:Z47993; NID:9728578; PIDN:CAA88031.1; PID:9695539

Query Match      10.1%; Score 129; DB 2; Length 314;
Best Local Similarity 23.5%; Pred. No. 0.0018;
Matches 40; Conservative 30; Mismatches 60; Indels 40; Gaps 9;

```

```

OY      18 COR-CGPGQELSKDCGYEGGDAYCTACPPRRYKSSMGH-HKQSCITCAVINRQV-KV 73
      59 CHKPCPGERKARDCTV-NGDEPDCVPCQEGKEVYTDRAHFSKCRRCRLDCEGHGLVEI 117

```



